INTERNATIONAL SEARCH REPORT

International application No.

		PCT/JP2	2005/003785		
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01S3/06, 3/098					
According to Int	ternational Patent Classification (IPC) or to both national	al classification and IPC			
B. FIELDS SE	EARCHED				
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H01S3/00-3/30					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
X Y	JP 4-357892 A (Nippon Telegr Corp.), 10 December, 1992 (10.12.92), Full text; all drawings (Family: none)	aph And Telephone	1-9 10		
X Y			11-13,15 1-10,14,16		
X Y	JP 9-211508 A (Hitachi Cable 15 August, 1997 (15.08.97), Fig. 6; Par. Nos. [0035] to [(Family: none)		16 14		
Further documents are listed in the continuation of Box C. See patent family annex.					
* Special categories of cited documents: "A" document defining the general state of the art which is not considered		"T" later document published after the integrated date and not in conflict with the applications the property of the property	ation but cited to understand		
"E" earlier application or patent but published on or after the international filing date		the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be			
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family			
Date of the actual completion of the international search 02 June, 2005 (02.06.05)		Date of mailing of the international search report 28 June, 2005 (28.06.05)			
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Faccimile No.		Telephone No.			

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No.
A	Motoharu MATSUURA et al., "Raman Soliton Asshuku o Mochiita Supercontinuum-ko ni yoru Tahacho Pulse Seisei", The Institute of Electronics, Information and Communication Engineers Gijutsu Kenkyu Hokoku, 26 September, 2003 (26.09.03), Vol.103, No.350, pages 5 to 8		1-16
P,X	Kentaro YASUNAKA et al., "Er Doped Fiber no Noise-like Mode Hasshin to Bunsan Tais 2004 Nen The Institute of Electronics, Information and Communication Engineers Sogo Taikai Koen Ronbunshu Electronics 108 March, 2003 (08.03.03), page 345	sei",	1-16
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Box No. II Ob	servations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
1. Claims Nos	rch report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: by relate to subject matter not required to be searched by this Authority, namely:
	.: y relate to parts of the international application that do not comply with the prescribed requirements to such an no meaningful international search can be carried out, specifically:
3. Claims Nos because the	.: y are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Ob	servations where unity of invention is lacking (Continuation of item 3 of first sheet)
Whereas th laser, the i and a super	e inventions in claims 1-10 relate to a mode synchronizing fiber nventions in claims 11-16 relate to a noise-like pulse light source continuum light generated thereby.
claims.	ed additional search fees were timely paid by the applicant, this international search report covers all searchable
As all search any additiona	able claims could be searched without effort justifying an additional fee, this Authority did not invite payment of al fee.
•	e of the required additional search fees were timely paid by the applicant, this international search report covers laims for which fees were paid, specifically claims Nos.:
	additional search fees were timely paid by the applicant. Consequently, this international search report is the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest	The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.